



# 1999 Toxics Release Inventory

## ARKANSAS

### Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
<b>On-site Releases</b>	32,875,416	3,828,542	36,703,958
Air Emissions	27,022,660	1,047,628	28,070,288
Surface Water Discharges	2,571,428	24,765	2,596,193
Underground Injection Class I Wells	666,738	0	666,738
Underground Injection Class II-V Wells	108,350	0	108,350
On-site Land Releases to RCRA Subtitle C Landfills	116,656	32,100	148,756
Other On-site Land Releases	2,389,584	2,724,049	5,113,633
<b>Off-site Releases (Transfers Off-site to Disposal)*</b>	4,716,770	104,748	4,821,518
<b>Total On- and Off-site Releases</b>	37,592,186	3,933,290	41,525,476
<b>Recycled On-site</b>	111,677,082	2,817,614	114,494,696
<b>Recycled Off-site</b>	53,576,282	389,348	53,965,630
<b>Energy Recovery On-site</b>	32,793,225	4,628,714	37,421,939
<b>Energy Recovery Off-site</b>	7,381,969	27,714,479	35,096,448
<b>Treated On-site</b>	86,906,289	19,607,784	106,514,073
<b>Treated Off-site**</b>	2,955,904	133,417	3,089,321
<b>Quantity Released On- and Off-site***</b>	53,957,981	5,301,431	59,259,412
<b>Total Production-related Waste Managed</b>	349,248,732	60,592,787	409,841,519
<b>Total Non-production-related Waste Managed</b>	1,177,284	23	1,177,307

### Transfers Off-site for Further Waste Management/Disposal

Recycling	52,777,730	389,573	53,167,303
Energy Recovery	7,716,524	28,400,806	36,117,330
Treatment	1,443,570	133,899	1,577,469
Publicly Owned Treatment Works (POTWs)	2,562,068	0	2,562,068
Metals and Metal Compounds*	14,853	0	14,853
Non-metal TRI Chemicals**	2,547,215	0	2,547,215
Other Off-site Transfers****	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	18,956,574	397,990	19,354,564
<b>Total Transfers Off-site for Further Waste Management/Disposal</b>	83,456,466	29,322,268	112,778,734

\* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

### For More Information . . .

#### State Contact:

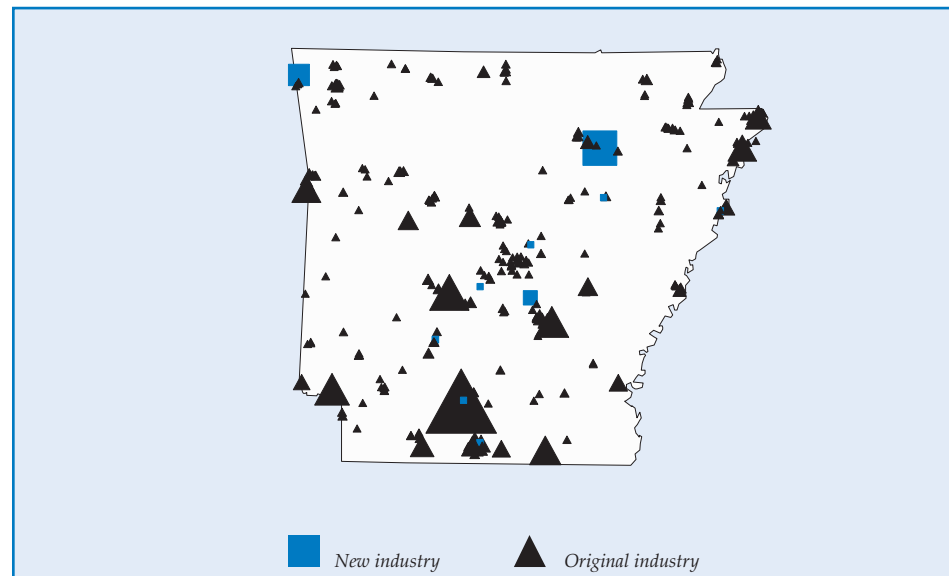
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#### EPA Regional Contact:

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#### To obtain TRI data use assistance, call TRI User Support Service (TRI-US): (202) 260-1531

Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Arkansas. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

### State/TRI Data

Population	2,551,373
Square Miles	52,075
Total Facilities	403
Total Forms	1,496
Form As	202

	Original Industries	New Industries	Total
<b>National Rank for Total On- and Off-site Releases*</b>			
Rank	23	43	33
Pounds	37,592,186	3,933,290	41,525,476
<b>National Rank for Total On-site Releases**</b>			
Rank	22	43	32
Pounds	32,875,416	3,828,542	36,703,958
<b>National Rank for Total Releases within State***</b>			
Rank	25	43	33
Pounds	35,210,472	4,622,758	39,833,230
<b>National Rank for Production-related Waste Managed</b>			
Rank	19	26	23
Pounds	349,248,732	60,592,787	409,841,519

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 1999 Toxics Release Inventory

## ARKANSAS

### On and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
--	Zinc compounds	81,831	45,911	10,441	214,637	13,983,732	14,336,552	133,535	341,669	13,642,063
67-56-1	Methanol	6,261,029	80,919	690,485	15,670	189,156	7,237,259	19	1,050	188,106
7664-41-7	Ammonia	5,289,128	135,662	0	8,590	11,042	5,444,422	75,581	11,042	0
--	Manganese compounds	45,310	480,866	0	741,244	1,455,435	2,722,855	625	203,498	1,251,937
75-15-0	Carbon disulfide	1,735,015	250	0	0	0	1,735,265	0	0	0
108-88-3	Toluene	1,649,495	114	47,919	0	111	1,697,639	33,571	0	111
--	Nitrate compounds	8,050	1,617,941	0	1,078	6,620	1,633,689	6,752	6,611	9
110-54-3	n-Hexane	1,513,029	0	0	0	6	1,513,035	0	5	1
--	Lead compounds	8,523	181	0	33,001	1,424,381	1,466,086	21,301	54,653	1,369,728
1330-20-7	Xylene (mixed isomers)	1,404,650	0	0	0	3,120	1,407,770	4,045	2,000	1,120

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

### On and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
--	Barium compounds	31,107	15,611	0	2,375,149	9,969	2,431,836	114,485	312	9,657
7664-39-3	Hydrogen fluoride	663,125	0	0	0	0	663,125	0	0	0
7647-01-0	Hydrochloric acid	235,050	0	0	0	0	235,050	8	0	0
--	Copper compounds	3,213	3,240	0	117,935	26,435	150,823	15,396	14	26,421
--	Zinc compounds	5,166	2,315	0	70,194	42,568	120,243	35,914	10	42,558
--	Manganese compounds	3,168	2,930	0	103,385	1,177	110,660	257,250	15	1,162
--	Lead compounds	2,509	14	0	0	81,311	83,834	4,482	0	81,311
7664-93-9	Sulfuric acid	74,853	0	0	0	0	74,853	0	0	0
--	Chromium compounds	1,626	141	0	37,809	33,070	72,646	39,503	6	33,064
1344-28-1	Aluminum oxide (fibrous forms)	1	0	0	0	58,035	58,036	7,946	0	58,035

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.



# 1999 Toxics Release Inventory

# ARKANSAS

## On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	<u>Underground Injection</u>				<u>On-site Releases to Land</u>			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
International Paper Camden Mill, Camden, Ouachita	3,676,738	34,943	0	0	0	25,092	3,736,773	0	0
U.S. Vanadium Corp., Hot Springs, Garland	1,238,800	32,010	0	0	0	603,130	1,873,940	0	0
Georgia-Pacific Corp. Ashdown Ops., Ashdown, Little River	1,046,376	349,741	0	0	0	206,052	1,602,169	0	0
International Paper Co., Pine Bluff, Jefferson	1,284,085	110,055	0	0	0	151,269	1,545,409	0	0
Georgia-Pacific Crossett Paper Ops., Crossett, Ashley	729,239	270,236	0	0	0	407,876	1,407,351	0	0
Whirlpool Corp., Fort Smith, Sebastian	1,261,276	0	0	0	0	0	1,261,276	1,156	0
Viskase Corp., Osceola, Mississippi	1,225,005	15,250	0	0	0	0	1,240,255	0	0
Terra Nitrogen Co. L.P., Blytheville, Mississippi	960,070	117,090	0	0	0	1,510	1,078,670	0	0
Lion Oil Co., El Dorado, Union	735,461	295,628	0	0	0	0	1,031,089	0	47,320
Albemarle Corp. South Plant, Magnolia, Columbia	508,453	29	72,664	67,350	0	291,469	939,965	3,950	4,779

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

## On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Entergy - Independence Steam Electric Station, Newark, Independence	489,437	4,117	0	0	0	1,577,735	2,071,289	0	0
Flint Creek Power Plant, Gentry, Benton	124,700	7,430	0	0	0	973,670	1,105,800	0	0
Entergy- White Bluff Generating Plant, Redfield, Jefferson	401,826	13,110	0	0	0	172,644	587,580	363	0
Reynolds Metals Co. Gum Springs Plant, Gum Springs, Clark	9	0	0	0	32,100	0	32,109	0	5
Williams West Memphis Terminal, West Memphis, Crittenden	16,017	0	0	0	0	0	16,017	0	0
Environmental Sys. Co., El Dorado, Union	11,983	108	0	0	0	0	12,091	82	397,540
Rineco, Benton, Saline	1,934	0	0	0	0	0	1,934	0	0
Van Waters & Rogers Inc., Jacksonville, Pulaski	1,702	0	0	0	0	0	1,702	0	0
Arkansas Electric Coop Corp. Bailey Generating Station, Augusta, Woodruff	10	0	0	0	0	0	10	0	0
Arkansas Electric Coop. Corp., McClellan Generating Station, Camden, Ouachita	10	0	0	0	0	0	10	0	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1999 Toxics Release Inventory

# ARKANSAS

## Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Nucor-Yamato Steel Co., Blytheville, Mississippi	3,223,411	0	0	0	0	0	11,736,417	14,959,828	1,079,408
Alcoa Extruded Construction Prods. Magnolia Ops., Magnolia, Columbia	0	2,212	0	0	440,000	0	4,717,700	5,159,912	0
International Paper Camden Mill, Camden, Ouachita	0	0	216,245	0	2,613,596	0	3,735,996	6,565,837	0
Nucor Steel - Arkansas, Blytheville, Mississippi	1,293,000	17,696,100	0	0	400,000	0	3,111,000	22,500,100	0
U.S. Vanadium Corp., Hot Springs, Garland	812,000	0	0	0	0	0	1,873,960	2,685,960	0
Georgia-Pacific Corp. Ashdown Ops., Ashdown, Little River	15,000	0	4,001,500	4,500	24,938,020	0	1,591,964	30,550,984	0
International Paper Co., Pine Bluff, Jefferson	0	0	58,400	0	12,824,001	0	1,540,690	14,423,091	0
Georgia-Pacific Crossett Paper Ops., Crossett, Ashley	253,697	0	37,502	0	17,410,952	0	1,407,303	19,109,454	0
Whirlpool Corp., Fort Smith, Sebastian	670,000	41,100	0	59,220	7,600	9,706	1,259,776	2,047,402	0
Viskase Corp., Osceola, Mississippi	0	0	0	0	0	0	1,225,005	1,225,005	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Entergy - Independence Steam Electric Station, Newark, Independence	0	0	0	0	0	0	2,071,289	2,071,289	10
Entergy- White Bluff Generating Plant, Redfield, Jefferson	0	0	0	0	0	0	1,670,387	1,670,387	11
Flint Creek Power Plant, Gentry, Benton	0	0	0	0	219,000	0	1,101,000	1,320,000	0
Environmental Sys. Co., El Dorado, Union	2,802,061	389,348	4,628,714	790,558	19,178,784	133,411	406,991	28,329,867	0
Reynolds Metals Co. Gum Springs Plant, Gum Springs, Clark	0	0	0	0	210,000	6	32,100	242,106	0
Williams West Memphis Terminal, West Memphis, Crittenden	15,553	0	0	0	0	0	16,017	31,570	0
Rineco, Benton, Saline	0	0	0	26,923,921	0	0	1,934	26,925,855	0
Van Waters & Rogers Inc., Jacksonville, Pulaski	0	0	0	0	0	0	1,702	1,702	0
Arkansas Electric Coop. Corp., McClellan Generating Station, Camden, Ouachita	0	0	0	0	0	0	8	8	1
Arkansas Electric Coop Corp. Bailey Generating Station, Augusta, Woodruff	0	0	0	0	0	0	3	3	1

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.